

WHAT IS CLAIMED IS:

1. A drying system comprising:
a plenum;
a gas source in fluid communication with the plenum;
a gas flow guide attached to the plenum operable to direct gas flow provided by the gas source; and
a support having a surface, at least a portion of the surface being heated, wherein the gas flow guide is positioned to direct gas flow at least partially toward the heated surface of the support.
2. The system according to Claim 1, wherein the gas flow guide includes a fin.
3. The system according to Claim 2, the plenum having a surface, wherein the fin is positioned to create an angle relative to the surface of the plenum.
4. The system according to Claim 1, further comprising:
a support having a surface, wherein the gas flow guide is positioned to create an angle relative to a plane tangential to the surface of the support.
5. The system according to Claim 4, wherein the angle is approximately 45°.
6. The system according to Claim 1, further comprising:
a support having a surface and a width dimension; and
a restrictor plate positioned between the gas flow guide and the plenum, the restrictor plate having at least one perforation sized to distribute gas flow over the surface of the support in the width dimension.
7. The system according to Claim 1, further comprising:

a restrictor plate positioned between the gas flow guide and the plenum, the restrictor plate having at least one perforation sized to limit gas flow from the gas flow generated by the gas source to the gas flow guide.

8. The system according to Claim 7, wherein the at least one perforation forms a pattern of perforations through the restrictor plate.

9. The system according to Claim 7, further comprising:
a nozzle plate positioned between the restrictor plate and the gas flow guide, the nozzle plate having at least one perforation sized to direct gas flow to the gas flow guide.

10. The system according to Claim 1, wherein the gas source is positioned within the plenum.

11. The system according to Claim 10, wherein the gas flow generator includes a fan.

12. The system according to Claim 1, wherein the gas source is positioned remotely relative to the plenum and is in fluid communication with the plenum.

13. The system according to Claim 1, further comprising:
a cover positioned at least partially about the plenum, the cover including a gas inlet and a gas outlet.

14. The system according to Claim 1, the heated surface having an origin, wherein the plurality of fins direct gas toward the surface from a location spaced apart from the origin of the heated surface.

15. The system according to Claim 1, portions of the surface of the support defining a direction of media travel, wherein the gas flow guide is positioned to direct gas at least partially along the direction of media travel.

16. A method of drying media comprising:
providing a surface, portions of the surface defining a media travel path;
heating the portions of the surface defining the media travel path;
and
directing a gas flow at least partial toward the surface and at least partially along a direction of media travel.

17. The method according to Claim 16, wherein directing the gas flow at least partially toward the surface includes directing the gas flow to a location of the surface downstream from a location of the surface where heating begins, downstream being relative to the direction of media travel.

18. The method according to Claim 16, wherein the gas flow is at an ambient temperature.